

CRF Errors Corrected by the STIC Systems Branch

CRF Processing Date: _____
 Edited by: _____
 Verified by: _____ (STIC staff)

Serial Number: _____

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☒ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file;
☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



OIPE

RAW SEQUENCE LISTING

DATE: 04/08/2002

PATENT APPLICATION: US/10/002,344A

TIME: 12:54:23

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\04082002\J002344A.raw

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3 <110> APPLICANT: Recipon, Herve
4     Sun, Yongming
5     Chen, Sei-Yu
6     Liu, Chenghua
7     Turner, Leah
9 <120> TITLE OF INVENTION: Compositions and Methods Relating to Lung Specific Genes and
Proteins
11 <130> FILE REFERENCE: DEX-0241
13 <140> CURRENT APPLICATION NUMBER: US 10/002,344A
C--> 14 <141> CURRENT FILING DATE: 2002-03-15
16 <150> PRIOR APPLICATION NUMBER: US 60/242,998
17 <151> PRIOR FILING DATE: 2000-10-25
19 <160> NUMBER OF SEQ ID NOS: 277
21 <170> SOFTWARE: PatentIn version 3.1
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37 <223> OTHER INFORMATION: n= a, c, g or t
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W--> 47 nnnnnngtgaa atggagatat tcaacaaagc accctgtggg gattagatga gattgcacat      240
49 ctgactgcct agagtatagt aaggggtcac tgtttcctct tcaactcctca ggaaaatttg      300
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67 tatctgctgc tttttctcga tccaatttgt gcctatgtct tactatagat tctttggaaa      840
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TIME: 12:54:23

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92 tctgactgoc tagagtatag taaggggtca ctgttttctc ttcactcttc aggaaaattt      300
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156 cctatgaaac tactggaaca actggcatac ttgaatggaa tttgttgatt agatggtagc      180
158 aatgtatcag tggtaatcac ccgactttga tgagcgtaat acggtgatgc agtaaaatgt      240
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TIME: 12:54:23

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Output Set: N:\CRF3\04082002\J002344A.raw

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175 ttctgtattt ttagtagaga cagggtttca tcatgttggc caggatggta ttgaactcct 180
177 gacctcgtga tctgcctgcc tgggcctccc aaagtgcctg gattataggt atgagccacc 240
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255	ccatagaaatg	cttctgaagg	agtctctgaa	gagtttccat	accagtgttc	tccttcaactg	780
257	agctctccct	ccgctctctc	ctgctacta	acatgtgagg	gaaggcgctt	gggtgtctcc	840
259	tgtctccctcc	tgggcatttt	cccccttttc	tcacattctc	ctccttggtt	aatgtgagat	900
261	caataaacac	ccccgtgggg	gcagagaggc	agacactggc	aggagcgggg	aggtagttgg	960
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266 <210> SEQ ID NO: 8

267 <211> LENGTH: 1678

268 <212> TYPE: DNA

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271 <400> SEQUENCE: 8

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276	actggacttt	acgacgtgcc	cgaagcatg	tttgtactgt	ccctcaactg	gttacttccag	180
278	ccagttaacca	actgtttccag	aaaaggagcc	aagacaaaag	agacacgttt	tatccgtgga	240
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284	gcctgcctta	gtccttccac	cttagtggca	agtcctcgtt	tcctggggca	ggggcaaacac	420
286	gccttlaaaag	gattagagcc	tyttatcaet	cacctgctac	agcatggcct	tttaaagaact	480
288	ataaaactctc	cttacaatac	ccccatttta	cctgtcctaa	aaaccagaaa	gcctttacaa	540
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322	gccccccgct	tcagagaaga	aaaccagaaa	agtcactccg	ccacctccac	cgcacacctcc	1560
324	accacctcca	ccaccaccac	cacaatccct	ggaattatta	ttactccacg	ttcctaaggg	1620
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332 <213> ORGANISM: Homo sapien

334 <400> SEQUENCE: 9

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339	aaggcactat	ccctttccgt	cttctttacc	agactctgtg	ctcccagtag	gcaggatgca	180
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/002,344A

DATE: 04/06/2002

TIME: 12:54:23

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351 agcagcagca gagaatctgt cactggatgt gtgactccca gcctccactc tcagggcagg 540
353 atccaggggtg accagagaagt ttgttttaga aataaacctg ttaatatctt taacacatta 600
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368 gagaaaaactg gggctcagga aggcagttag aaactggaag tcagccacgt gtcaggacag 180
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376 ctccgagggg gatttcttaa gggagggggc tttttcagaa atggacaggg actttcggga 420
378 ccattgctgc ccacctcagt gaagtctgag gggagtctct ggaaggcatt tccatctgtc 480
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392 gatttaggag ccgatgcctt ggtgaggatc tctcctctga gctgagcgtc ctccactaag 900
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398 <211> LENGTH: 577

399 <212> TYPE: DNA

400 <213> ORGANISM: Homo sapien

401 <400> SEQUENCE: 11

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419 agctcatgaa agtccaaagt tcagctcttc ctcccacagag ggtacacctg taatgcctgt 540
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425 <211> LENGTH: 3725

426 <212> TYPE: DNA

427 <213> ORGANISM: Homo sapien

428 <400> SEQUENCE: 12

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/002,344ADATE: 04/08/2002
TIME: 11:54:24Input Set: A:\PTO.DC.txt
Output Set: N:\CRF3\04082002\J002344A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:1; N Pos. 184,185,186
Seq#:2; N Pos. 125,126,127,128,129,130,131,132,133,134,135,136,137,138,139
Seq#:2; N Pos. 140,141,142,143,144,145,146,147,148,149,150,151,152,153,154
Seq#:2; N Pos. 155,156,157,158,159,160,161,162,163,164,165,166,167,168,169
Seq#:2; N Pos. 170,171,172,173,174,175,176,177,178,179,180,181,182,183,184
Seq#:2; N Pos. 185,186
Seq#:17; N Pos. 300
Seq#:18; N Pos. 454,455,456,457,458,459,460,461,462,463,464,465,466,467,468
Seq#:18; N Pos. 469,470,471,472,473,474,475,476,477,478,479,480
Seq#:23; N Pos. 610,611,612,613,614,615,616,617,618,619,620,621,622,623,624
Seq#:23; N Pos. 625,626,627,628,629,630,631,632,633,634,635,636,637,638,639
Seq#:23; N Pos. 640,641,642,643,644,645,646,647,648,649,650,651,652,653,654
Seq#:23; N Pos. 655,656,657,658,659,660,661,662,663,664,665,666,667,668,669
Seq#:23; N Pos. 670,671,672,673,674,675,676,677,678,679,680,681,682,683,684
Seq#:23; N Pos. 685,686,687,688,689,690,691,692,693,694,695,696,697,698,699
Seq#:23; N Pos. 700,701,702,703,704,705,706,707,708,709,710,711,712
Seq#:25; N Pos. 3362
Seq#:42; N Pos. 500,538,549,540,541,542,543,544,545,546,547,548,549,550,551
Seq#:42; N Pos. 552,553,554,555,556,557,558,559,560,561,562,563,564,565,566
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Seq#:42; N Pos. 582,583,584,585,877
Seq#:44; N Pos. 220,221
Seq#:47; N Pos. 254,255,256,257,258,259,260,261,262,263,264,265,266,267,268
Seq#:47; N Pos. 269,270,271,272,273,274,275,276,333,393
Seq#:48; N Pos. 254,255,256,257,258,259,260,261,262,263,264,265,266,267,268
Seq#:48; N Pos. 269,270,271,272,273,274,275,276,333
Seq#:50; N Pos. 569
Seq#:53; N Pos. 108,109,110,111,112,113,114,115,116,117,118,119,120,121,122
Seq#:53; N Pos. 123,124,125,126,127,128,129,130,131,132,133,134,135,136,137
Seq#:53; N Pos. 138,139,140,141,142,143,144,193,943,946,991
Seq#:55; N Pos. 58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77
Seq#:55; N Pos. 78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97
Seq#:55; N Pos. 98,99,100,101,102,103,104,105,106,107,108,109,110,111,112
Seq#:55; N Pos. 113,114,115,116,117,118,119,120,121,122,123,124,125,126,127
Seq#:55; N Pos. 128,129,130,131,132,133,134,135,136,137,138,139,140,141,142
Seq#:55; N Pos. 143,144,145,146,147,148,149,150,151,152,153,154,155,156,157
Seq#:55; N Pos. 158,159,160,161,162,163,164,165,166,167,168,169,170,171,172
Seq#:55; N Pos. 173,174,175,176,177,178,179,180,181,182,183,184,185,186,187
Seq#:55; N Pos. 188,189,190,191,192,193,194,195,196,197,198,199,200,201,202
Seq#:55; N Pos. 203,204,205,206,207,208,209,210,211,212,213,214,215,216,217

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION US/10/002,344ADATE: 04/08/2002
TIME: 11:54:24

Input Set: A:\PTO.DC.txt

Output Set: N:\CRF3\04082002\J002344A.raw

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Seq#:55: N Pos. 248,249,250,251,252,253,254,255,256,257,258,259,260,261,262
Seq#:55: N Pos. 263,264,265,266,267,268,269,270,271,272,273,274,275,276,277
Seq#:55: N Pos. 278,279,280,281,282,283,284,285,286,287,288,289
Seq#:55: N Pos. 581
Seq#:79: N Pos. 234,235,236,237,238,239,240,241,242,243,244,245,246,247,248
Seq#:79: N Pos. 249,250,251,252,253,254,255,256,257,258,259,260,261,262,263
Seq#:79: N Pos. 264,265,266,267,268,269,270,271,272,273,274,275,276,277,278
Seq#:79: N Pos. 279,280,281,282,283,284,285,286,287,288,289,290,291,292,293
Seq#:79: N Pos. 294,295,296,297,298,299,300,301,302,303,304,305,306,307,308
Seq#:79: N Pos. 309,310,311,312,313,314,315,316,317,318,319,320,321,322,323
Seq#:79: N Pos. 324,325,326,327,328,329,330,331,332,333,334,335,336,337,338
Seq#:79: N Pos. 339,340,341,342,343,344,345,346,347,348,349,350,351,352,353
Seq#:79: N Pos. 354,355,356,357,358,359,360,361,362,363,364,365,366,367,368
Seq#:79: N Pos. 369,370,371,372,373,374,375,376,377,378,379,380,381,382,383
Seq#:79: N Pos. 384,385,386,387,388
Seq#:80: N Pos. 12,34,46,101,107,137,140,202,210,237
Seq#:83: N Pos. 349,350,351,352,353,354,355,356,357,358,359,360,361,362,363
Seq#:83: N Pos. 364,365,366,367,368,369,370,371,372,373,374,375,376,377,378
Seq#:83: N Pos. 379,380,381,382,383,384,385,386,387,388,389,390,391,392,393
Seq#:83: N Pos. 394,395,396,397,398,399,400,401,402,403,404,405,406,407,408
Seq#:83: N Pos. 409,410,411,412,413,414,415,416,417,418,419,420,421,422,423
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Seq#:83: N Pos. 454,455,456
Seq#:84: N Pos. 208
Seq#:85: N Pos. 97,98,99,100,101,102,103,104,105,106,107,108,109,110,111
Seq#:85: N Pos. 112,113,114,115,116,117,118,119,120,121,122,123,124,125,126
Seq#:85: N Pos. 127,128,129,130,131,132,133,134,135,136,137,138,139,140,141
Seq#:85: N Pos. 142,143,144,145,146,147,148,149,150,151,152,153,154,155,156
Seq#:85: N Pos. 157,158,159,160,161,162,163,164,165,166,167,168,169,170,171
Seq#:85: N Pos. 172,173,174,175,176,177,178,179
Seq#:90: N Pos. 259,263,264,268,271,277
Seq#:96: N Pos. 15,61,191
Seq#:100: N Pos. 778
Seq#:102: N Pos. 138,139,140,141,142,143,144,145,146,147,148,149,150,151
Seq#:102: N Pos. 152,153,154,159,172,182,188,190,192,198
Seq#:103: N Pos. 231,232,233,234,235,236,237,238,239,240,241,242,243,244
Seq#:103: N Pos. 245,246,247,248,249,250,251,252,253,254,255,256,257,258
Seq#:103: N Pos. 259,260,261,262,263,264,265,266,267,268,269,270,271,272
Seq#:103: N Pos. 273,274,275,276,277,278,279,280,281,282,283,284,285,286
Seq#:103: N Pos. 287,288,289,290,291,292,293,294,295,296,297,298,299,300
Seq#:103: N Pos. 301,302,303,304,305,306,307,308,309,310,311,312,313,314
Seq#:103: N Pos. 315,316,317,318,319,320,321,322,323,324,325,326,327,328
Seq#:103: N Pos. 329,330,331,332,333,334,335,336,337,338,339,340,341,342
Seq#:103: N Pos. 343,344,345,346,347,348,349,350,351,352,353,354,355,356
Seq#:103: N Pos. 357,358,359,360,361,362,363,364,365,366,367,368,369,370
Seq#:103: N Pos. 371,372,373,374,375,376,377,378,379,380,381,382,383,384

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/002,344ADATE: 04/03/2002
TIME: 11:54:24

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\04082002\J002344A.raw

Seq#:103: N Pos. 385,386,387,388,389,390,391,392,393,394,395,396,397,398
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Seq#:103: N Pos. 427,428,429,430,431,432,433,434,435,436,437,438,439,440
Seq#:103: N Pos. 441,442,443,444,445,446,447,448,449,450,451,452,453,454
Seq#:103: N Pos. 455,456,457,458,459,460,461,462,463,464,465,466,467,468
Seq#:103: N Pos. 469,470,471,472,473,474,475,476,477,478,479,480,481,482
Seq#:103: N Pos. 483,484,485,486,487,488,489,490,491,492,493,494,495,496
Seq#:103: N Pos. 497,498,499,500,501,502,503,504,505,506,507,508,509,510
Seq#:103: N Pos. 511,512,513,514,515,516,517,518,519,520,521,522,523,524
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Seq#:103: N Pos. 539,540,541,542
Seq#:105: N Pos. 557,821
Seq#:106: N Pos. 84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101
Seq#:106: N Pos. 102,103,104,105,106,107,108,109,110,111,112,113,114,115
Seq#:106: N Pos. 116,117,118,119,120,121,122,123,124,125,126,127,128,129
Seq#:107: N Pos. 393
Seq#:108: N Pos. 317,333,341,354,355,369,374
Seq#:109: N Pos. 108,140,300
Seq#:111: N Pos. 96,97,98,99,100,101,102,103,104,105,106,107,108,109,110
Seq#:111: N Pos. 111,112,113,114,115,116,117,118,119,120,121
Seq#:112: N Pos. 342,343,344,345,346,347,348,349,350,351,352,353,354,355
Seq#:112: N Pos. 356,357,358,359,360,361,362,363,364,365,366,367,368,369
Seq#:112: N Pos. 370,371,372,373,374,375,376,377,378,379,380,381,382,383
Seq#:112: N Pos. 384,385,386,387,388,389,390,391,392,393,394,395,396,397
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Seq#:124: N Pos. 292,384,385,386,396,398,405
Seq#:127: N Pos. 142,152,167,171,183,195,241,243,283,296,315
Seq#:130: N Pos. 1582,1583,1584,1585,1586,1587,1588,1589,1590,1591,1592
Seq#:130: N Pos. 1593,1594,1595,1596,1597,1598,1599,1600,1601,1602,1603
Seq#:130: N Pos. 1604,1605,1606,1607,1608,1609,1610,1611,1612,1613,1614
Seq#:130: N Pos. 1615,1616,1617,1618,1619,1620,1621,1622,1623,1624,1625
Seq#:130: N Pos. 1626,1627,1628,1629,1630,1631,1632,1633,1634,1635,1636
Seq#:130: N Pos. 1637,1638,1639,1640,1641,1642,1643,1644,1645,1646,1647
Seq#:130: N Pos. 1648,1649,1650,1651,1652,1653,1654,1655,1656,1657,1658
Seq#:130: N Pos. 1659,1660,1661,1662,1663,1664,1665,1666,1667,1668,1669
Seq#:130: N Pos. 1670,1671,1672,1673,1674,1675,1676,1677,1678,1679,1680
Seq#:130: N Pos. 1681,1682,1683,1684,1685,1686,1687,1688,1689,1690,1691
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Seq#:130: N Pos. 1791,1792,1793,1794,1795,1796,1797,1798,1799,1800,1801
Seq#:130: N Pos. 1802,1803,1804,1805,1806,1807,1808,1809,1810,1811,1812

RAW SEQUENCE LISTING ERROR SUMMARY
 PATENT APPLICATION US/10/002,344A

DATE: 04/08/2002
 TIME 12:54:24

Input Set : A:\PTO.DC.txt

Output Set : N:\CRF3\04082002\J002344A.raw

Seq#:130 N Pos. 1813,1814,1815,1816,1817,1818,1819,1820,1821,1822,1823
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 Seq#:130 N Pos. 1835,1836,1837
 Seq#:132 N Pos. 434,483
 Seq#:134 N Pos. 307
 Seq#:139 N Pos. 319,320,321,322,323,324,325,326,327,328,329,330,331,332
 Seq#:139 N Pos. 333,334,335,336,337,338,339,340,341,342,343,344,345,346
 Seq#:139 N Pos. 347,348,349,350,351,352,353,354,355,356,357,358,359,360
 Seq#:139 N Pos. 361,362,363,364,365,366,367,368,369,370,371,372,373,374
 Seq#:139 N Pos. 375,376,377,378,379,380,381,382,383,384,385,386,387,388
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 Seq#:139 N Pos. 417,418,419,420,421,422,423,424,425,426,427,428,429,430
 Seq#:139 N Pos. 431,432,433,434,435,436,437,438,439,440,441,442,443,444
 Seq#:139 N Pos. 445,446,447,448,449,450,451,452,453,454,455,456,457,458
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 Seq#:139 N Pos. 543,544,545,546,547,548,549,550,551,552
 Seq#:140 N Pos. 44,214,300,306,308,315,320,323
 Seq#:141 N Pos. 105,116,117,132,143
 Seq#:159 Xaa Pos. 33
 Seq#:160 Xaa Pos. 23,24,25,26,27,28,29,30,31
 Seq#:165 Xaa Pos. 8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26
 Seq#:165 Xaa Pos. 27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42
 Seq#:184 Xaa Pos. 8
 Seq#:189 Xaa Pos. 8,9,10,11,12,13,14,15,34
 Seq#:192 Xaa Pos. 24
 Seq#:219 Xaa Pos. 28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46
 Seq#:219 Xaa Pos. 47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65
 Seq#:219 Xaa Pos. 66,67,68,69,70,71,72,73,74,75,76,77,78,79
 Seq#:220 Xaa Pos. 31
 Seq#:224 Xaa Pos. 8
 Seq#:236 Xaa Pos. 72,116,131
 Seq#:242 Xaa Pos. 2,4,5,7,11,15,17,18,19,20,21,22
 Seq#:244 Xaa Pos. 76
 Seq#:245 Xaa Pos. 28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43
 Seq#:246 Xaa Pos. 31
 Seq#:250 Xaa Pos. 11,12,13,14,15,16,17,18,19
 Seq#:261 Xaa Pos. 24
 Seq#:264 Xaa Pos. 4,8,22,38,42,46,47,52,55
 Seq#:270 Xaa Pos. 10

VERIFICATION SUMMARY

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Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\04082002\J002344A.raw

L:14 M:271 C: Current Filing Date differs. Replaced Current Filing Date
L:45 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:120
L:47 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:180
L:65 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:720
L:84 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:120
L:90 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:180
L:763 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:240
L:820 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:420
L:973 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:600
L:975 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:660
L:1149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:3360
L:1686 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:480
L:1688 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:540
L:1696 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:840
L:1740 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:180
L:1825 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:240
L:1827 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:300
L:1829 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:360
L:1858 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:240
L:1860 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:300
L:1946 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:540
L:2047 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:60
L:2049 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:120
L:2051 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:180
L:2075 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:900
L:2077 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:960
L:2115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:0
L:2117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:60
L:2119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:120
L:2121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:180
L:2123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:240
L:2376 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 after pos.:540
L:2771 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79 after pos.:180
L:2773 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79 after pos.:240
L:2775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79 after pos.:300
L:2777 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79 after pos.:360
L:2850 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:0
L:2852 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:60
L:2854 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:120
L:2856 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:180
L:3057 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83 after pos.:300
L:3059 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83 after pos.:360
L:3061 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83 after pos.:420
L:3090 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84 after pos.:240
L:3109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85 after pos.:60
L:3111 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85 after pos.:120
L:3332 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90 after pos.:240
L:3502 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:0

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L:3504 M:341 W: (46) "n" or "Xaa" used. for SEQ ID#:96 after pos.:60
L:3508 M:341 W: (46) "n" or "Xaa" used. for SEQ ID#:96 after pos.:180
L:3702 M:341 W: (46) "n" or "Xaa" used. for SEQ ID#:100 after pos.:720